

Regina Moreira

List of Publications by Year in descending order

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164
papers

5,376
citations

70961

41
h-index

110170

64
g-index

166
all docs

166
docs citations

166
times ranked

6517
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of photocatalytic degradation of reactive dyes in a TiO ₂ slurry reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 149, 147-154.	2.0	414
2	Simultaneous photocatalytic Cr(VI) reduction and dye oxidation in a TiO ₂ slurry reactor. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2002, 147, 71-76.	2.0	175
3	Treatment of textile wastewater by heterogeneous Fenton process using a new composite Fe ₂ O ₃ /carbon. <i>Chemical Engineering Journal</i> , 2006, 118, 77-82.	6.6	160
4	Carbon dioxide/nitrogen separation through adsorption on activated carbon in a fixed bed. <i>Chemical Engineering Journal</i> , 2011, 169, 11-19.	6.6	153
5	Enzymatic degradation and detoxification of azo dye Congo red by a new laccase from <i>Oudemansiella canarii</i> . <i>Bioresource Technology</i> , 2019, 289, 121655.	4.8	141
6	Removal of pharmaceutical compounds in membrane bioreactors (MBR) applying submerged membranes. <i>Desalination</i> , 2010, 261, 148-156.	4.0	139
7	Applicability of Fenton and H ₂ O ₂ /UV reactions in the treatment of tannery wastewaters. <i>Chemosphere</i> , 2005, 60, 644-655.	4.2	123
8	Biological pretreatment of <i>Eucalyptus grandis</i> sawdust with white-rot fungi: Study of degradation patterns and saccharification kinetics. <i>Chemical Engineering Journal</i> , 2014, 258, 240-246.	6.6	121
9	Adsorption of CO ₂ , CH ₄ , and N ₂ in Activated Carbon Honeycomb Monolith. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2311-2317.	1.0	114
10	Removal of bisphenol A by laccases from <i>Pleurotus ostreatus</i> and <i>Pleurotus pulmonarius</i> and evaluation of ecotoxicity of degradation products. <i>Chemical Engineering Journal</i> , 2017, 330, 1361-1369.	6.6	105
11	Bio-syngas production from agro-industrial biomass residues by steam gasification. <i>Waste Management</i> , 2016, 58, 221-229.	3.7	100
12	Modeling of the fixed - bed adsorption of carbon dioxide and a carbon dioxide - nitrogen mixture on zeolite 13X. <i>Brazilian Journal of Chemical Engineering</i> , 2011, 28, 533-544.	0.7	84
13	Performance of blast furnace waste for azo dye degradation through photo-Fenton-like processes. <i>Chemical Engineering Journal</i> , 2013, 224, 59-66.	6.6	81
14	Carbon dioxide/nitrogen separation through pressure swing adsorption. <i>Chemical Engineering Journal</i> , 2011, 172, 698-704.	6.6	79
15	Lithium orthosilicate for CO ₂ capture with high regeneration capacity: Kinetic study and modeling of carbonation and decarbonation reactions. <i>Chemical Engineering Journal</i> , 2016, 283, 388-396.	6.6	77
16	Advanced oxidation processes applied to tannery wastewater containing Direct Black 38: Elimination and degradation kinetics. <i>Journal of Hazardous Materials</i> , 2006, 135, 274-279.	6.5	76
17	Characterisation of agroindustrial solid residues as biofuels and potential application in thermochemical processes. <i>Waste Management</i> , 2012, 32, 1952-1961.	3.7	76
18	Adsorption Equilibrium and Kinetics of Water Vapor on Different Adsorbents. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 7019-7026.	1.8	74

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19	Elucidation of the behavior of tannery wastewater under advanced oxidation conditions. <i>Chemosphere</i> , 2004, 56, 411-423.	4.2	72
20	CeO ₂ /TiO ₂ nanostructures enhance adsorption and photocatalytic degradation of organic compounds in aqueous suspension. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 353, 325-336.	2.0	70
21	Synthetic dyes biodegradation by fungal ligninolytic enzymes: Process optimization, metabolites evaluation and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2020, 400, 123254.	6.5	69
22	Treatment of meat industry wastewater using dissolved air flotation and advanced oxidation processes monitored by GC-MS and LC-MS. <i>Chemical Engineering Journal</i> , 2009, 152, 151-157.	6.6	64
23	Adsorption of Carbon Dioxide onto Activated Carbon and Nitrogen-Enriched Activated Carbon: Surface Changes, Equilibrium, and Modeling of Fixed-Bed Adsorption. <i>Separation Science and Technology</i> , 2009, 45, 73-84.	1.3	63
24	Rapid and facile preparation of zinc ferrite (ZnFe ₂ O ₄) oxide by microwave-solvothermal technique and its catalytic activity in heterogeneous photo-Fenton reaction. <i>Materials Chemistry and Physics</i> , 2015, 160, 141-147.	2.0	63
25	Obtaining fermentable sugars and bioproducts from rice husks by subcritical water hydrolysis in a semi-continuous mode. <i>Bioresource Technology</i> , 2019, 272, 510-520.	4.8	61
26	Valorization of agroindustrial solid residues and residues from biofuel production chains by thermochemical conversion: a review, citing Brazil as a case study. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 197-230.	0.7	59
27	Photocatalytic reduction of nitrate ions in water over metal-modified TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 246, 36-44.	2.0	57
28	Gaseous emissions from sewage sludge combustion in a moving bed combustor. <i>Waste Management</i> , 2015, 46, 430-439.	3.7	57
29	Geopolymers produced with fly ash and rice husk ash applied to CO ₂ capture. <i>Journal of Cleaner Production</i> , 2020, 273, 122917.	4.6	57
30	In-situ synthesis of zeolites by geopolymerization of biomass fly ash and metakaolin. <i>Materials Letters</i> , 2019, 236, 644-648.	1.3	56
31	Recovery of iron oxides from acid mine drainage and their application as adsorbent or catalyst. <i>Journal of Environmental Management</i> , 2012, 111, 53-60.	3.8	55
32	Subcritical water hydrolysis of rice straw in a semi-continuous mode. <i>Journal of Cleaner Production</i> , 2019, 209, 386-397.	4.6	54
33	Reduction of SO ₂ on different carbons. <i>Carbon</i> , 2002, 40, 751-760.	5.4	52
34	Adsorption of CO ₂ on Hydrotalcite-Like Compounds in a Fixed Bed. <i>Separation Science and Technology</i> , 2006, 41, 341-357.	1.3	48
35	Effect of the particle size range of construction and demolition waste on the fresh and hardened-state properties of fly ash-based geopolymer mortars with total replacement of sand. <i>Chemical Engineering Research and Design</i> , 2019, 129, 130-137.	2.7	48
36	Biological wastewater treatment followed by physicochemical treatment for the removal of fluorinated surfactants. <i>Water Science and Technology</i> , 2010, 61, 3208-3215.	1.2	47

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37	The removal and degradation of pharmaceutical compounds during membrane bioreactor treatment. <i>Water Science and Technology</i> , 2012, 65, 833-839.	1.2	46
38	Comparison of coagulants and coagulation aids for treatment of meat processing wastewater by column flotation. <i>Bioresource Technology</i> , 2008, 99, 8221-8225.	4.8	45
39	Treatment of paper and pulp wastewater and removal of odorous compounds by a Fenton-like process at the pilot scale. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1426-1432.	1.6	44
40	Comparison of different advanced oxidation process to reduce toxicity and mineralisation of tannery wastewater. <i>Water Science and Technology</i> , 2004, 50, 329-334.	1.2	43
41	Adsorption equilibrium and breakthrough analysis for NO adsorption on activated carbons at low temperatures. <i>Carbon</i> , 2004, 42, 1483-1490.	5.4	43
42	Towards an efficient and durable self-cleaning acrylic paint containing mesoporous TiO ₂ microspheres. <i>Progress in Organic Coatings</i> , 2018, 118, 48-56.	1.9	42
43	Reactive intermediates of the reduction of SO ₂ on activated carbon. <i>Journal of Physical Organic Chemistry</i> , 2003, 16, 824-830.	0.9	41
44	Hydrotalcite Materials for Carbon Dioxide Adsorption at High Temperatures: Characterization and Diffusivity Measurements. <i>Separation Science and Technology</i> , 2005, 39, 1989-2010.	1.3	41
45	Hydrothermal preparation of Zn ₂ SnO ₄ nanocrystals and photocatalytic degradation of a leather dye. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 59-63.	1.5	39
46	Waste-based geopolymeric mortars with very high moisture buffering capacity. <i>Construction and Building Materials</i> , 2018, 191, 39-46.	3.2	37
47	Hydroxypropyl methylcellulose-TiO ₂ and gelatin-TiO ₂ nanocomposite films: Physicochemical and structural properties. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 944-956.	3.6	36
48	Biofuel application of biomass obtained from a meat industry wastewater plant through the flotation process – A case study. <i>Resources, Conservation and Recycling</i> , 2008, 52, 557-569.	5.3	34
49	Modification of pore size in activated carbon by polymer deposition and its effects on molecular sieve selectivity. <i>Carbon</i> , 2001, 39, 2269-2276.	5.4	33
50	Combustion of pistachio shell: physicochemical characterization and evaluation of kinetic parameters. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21420-21429.	2.7	33
51	Partial Purification of Anthocyanins from <i>Brassica oleracea</i> (Red Cabbage). <i>Separation Science and Technology</i> , 2004, 39, 3769-3782.	1.3	32
52	Laccases in food processing: Current status, bottlenecks and perspectives. <i>Trends in Food Science and Technology</i> , 2021, 115, 445-460.	7.8	32
53	Bioenergetic potential of Ponkan peel waste (<i>Citrus reticulata</i>) pyrolysis by kinetic modelling and product characterization. <i>Biomass and Bioenergy</i> , 2019, 131, 105401.	2.9	30
54	Study of cure conditions effect on the properties of wood biomass fly ash geopolymers. <i>Journal of Materials Research and Technology</i> , 2020, 9, 7518-7528.	2.6	30

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55	Evaluation of gaseous emissions from thermal conversion of a mixture of solid municipal waste and wood chips in a pilot-scale heat generator. <i>Renewable Energy</i> , 2019, 141, 402-410.	4.3	29
56	Intensification of photocatalytic pollutant abatement in microchannel reactor using TiO ₂ and TiO ₂ @graphene. <i>AIChE Journal</i> , 2016, 62, 2794-2802.	1.8	28
57	Investigation of the bioenergy potential of microalgae <i>Scenedesmus acuminatus</i> by physicochemical characterization and kinetic analysis of pyrolysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3269-3280.	2.0	28
58	Identification of Degradation Products of Erythromycin A Arising from Ozone and Advanced Oxidation Process Treatment. <i>Water Environment Research</i> , 2010, 82, 797-805.	1.3	27
59	TiO ₂ /reduced graphene oxide composites for photocatalytic degradation in aqueous and gaseous medium. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 348, 326-336.	2.0	27
60	Liquid nitrogen pretreatment of eucalyptus sawdust and rice hull for enhanced enzymatic saccharification. <i>Bioresource Technology</i> , 2017, 224, 648-655.	4.8	27
61	Preparation and photocatalytic activity of TiO ₂ -exfoliated graphite oxide composite using an ecofriendly graphite oxidation method. <i>Applied Surface Science</i> , 2015, 359, 868-874.	3.1	26
62	Effect of operational conditions on photocatalytic ethylene degradation applied to control tomato ripening. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 367, 294-301.	2.0	26
63	Physicochemical and Advanced Oxidation Processes – A Comparison of Elimination Results of Antibiotic Compounds Following an MBR Treatment. <i>Ozone: Science and Engineering</i> , 2009, 31, 428-435.	1.4	25
64	Generation of endocrine disruptor compounds during ozone treatment of tannery wastewater confirmed by biological effect analysis and substance specific analysis. <i>Water Science and Technology</i> , 2009, 59, 31-38.	1.2	24
65	Synthesis of High Surface Area MgAl ₂ O ₄ Nanopowder as Adsorbent for Leather Dye Removal. <i>Separation Science and Technology</i> , 2009, 44, 2132-2145.	1.3	24
66	Adsorption of arsenate, phosphate and humic acids onto acicular goethite nanoparticles recovered from acid mine drainage. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 652-659.	3.3	24
67	1,4-Dioxane removal from water and membrane fouling elimination using CuO-coated ceramic membrane coupled with ozone. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22144-22154.	2.7	24
68	Organic solid waste originating from the meat processing industry as an alternative energy source. <i>Energy</i> , 2011, 36, 3897-3906.	4.5	23
69	Experimental and Theoretical Analysis for the CO ₂ Adsorption on Hydrotalcite. <i>Adsorption</i> , 2005, 11, 237-241.	1.4	22
70	Synthesis and Characterization of Acicular Iron Oxide Particles Obtained from Acid Mine Drainage and Their Catalytic Properties in Toluene Oxidation. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 767-774.	1.8	22
71	Humic acids adsorption and decomposition on Mn ₂ O ₃ and γ -Al ₂ O ₃ nanoparticles in aqueous suspensions in the presence of ozone. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 102780.	3.3	22
72	Reduction of Sulfur Dioxide on Carbons Catalyzed by Salts. <i>International Journal of Molecular Sciences</i> , 2005, 6, 130-142.	1.8	21

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73	TiO ₂ -graphene nanocomposite supported on floating autoclaved cellular concrete for photocatalytic removal of organic compounds. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3215-3223.	3.3	21
74	Improving enzymatic saccharification of <i>Eucalyptus grandis</i> branches by ozone pretreatment. <i>Wood Science and Technology</i> , 2019, 53, 49-69.	1.4	21
75	Mass transfer and photocatalytic degradation of leather dye using TiO ₂ /UV. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 821-829.	1.5	20
76	Carbon Dioxide Adsorption in Brazilian Coals. <i>Energy & Fuels</i> , 2007, 21, 209-215.	2.5	20
77	Photocatalytic effect of addition of TiO ₂ to acrylic-based paint for passive toluene degradation. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1568-1579.	1.2	20
78	Insights into pyrolysis characteristics of Brazilian high-ash sewage sludges using thermogravimetric analysis and bench-scale experiments with GC-MS to evaluate their bioenergy potential. <i>Biomass and Bioenergy</i> , 2020, 138, 105614.	2.9	20
79	Adding value to aluminosilicate solid wastes to produce adsorbents, catalysts and filtration membranes for water and wastewater treatment. <i>Journal of Materials Science</i> , 2021, 56, 1039-1063.	1.7	20
80	Potential applications for geopolymers in carbon capture and storage. <i>International Journal of Greenhouse Gas Control</i> , 2022, 118, 103687.	2.3	20
81	The use of XPS spectra for the study of reaction mechanisms: the atom inventory method. <i>Journal of Physical Organic Chemistry</i> , 2008, 21, 1035-1042.	0.9	19
82	Reactivity of the Thermally Stable Intermediates of the Reduction of SO ₂ on Carbons and Mechanisms of Insertion of Organic Moieties in the Carbon Matrix. <i>Journal of Physical Chemistry C</i> , 2008, 112, 581-589.	1.5	18
83	Selective Insertion of Sulfur Dioxide Reduction Intermediates on Graphene Oxide. <i>Langmuir</i> , 2014, 30, 4301-4309.	1.6	18
84	Coal gasification in the presence of lithium orthosilicate. Part 1: Reaction kinetics. <i>Chemical Engineering Research and Design</i> , 2019, 141, 529-539.	2.7	18
85	Advanced oxidative processes in the degradation of 17 β -estradiol present on surface waters: kinetics, byproducts and ecotoxicity. <i>Environmental Science and Pollution Research</i> , 2020, 27, 21032-21039.	2.7	18
86	A review on TiO ₂ -based photocatalytic systems applied in fruit postharvest: Set-ups and perspectives. <i>Food Research International</i> , 2021, 144, 110378.	2.9	18
87	Imazalil Degradation upon Applying Ozone Transformation Products, Kinetics, and Toxicity of Treated Aqueous Solutions. <i>Ozone: Science and Engineering</i> , 2011, 33, 308-328.	1.4	17
88	Reactive Site Model of the Reduction of SO ₂ on Graphite. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14649-14657.	1.5	17
89	Carboxymethyl- β -cyclodextrin functionalization of TiO ₂ doped with lanthanum: characterization and enhancement of photocatalytic activity. <i>Catalysis Science and Technology</i> , 2018, 8, 2636-2647.	2.1	17
90	An Overview of Structural Aspects and Health Beneficial Effects of Antioxidant Oligosaccharides. <i>Current Pharmaceutical Design</i> , 2020, 26, 1759-1777.	0.9	17

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91	Tailoring asymmetric Al ₂ O ₃ membranes by combining tape casting and phase inversion. <i>Journal of Membrane Science</i> , 2021, 623, 119056.	4.1	17
92	Tertiary treatment of slaughterhouse effluent: degradation kinetics applying UV radiation or H ₂ O ₂ /UV. <i>Water Science and Technology</i> , 2009, 60, 1869-1874.	1.2	16
93	Plastic optical fibres applied on the photocatalytic degradation of phenol with Ag ₂ MoO ₄ and Ag ₂ MoO ₄ /Ag ₃ PO ₄ under visible light. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1271-1282.	1.2	16
94	Advanced Oxidation Processes for the Elimination of Drugs Resisting Biological Membrane Treatment. <i>Ozone: Science and Engineering</i> , 2010, 32, 305-312.	1.4	15
95	Kinetics and mechanisms in flow systems: reduction of SO ₂ on carbons. <i>Journal of Physical Organic Chemistry</i> , 2012, 25, 1012-1026.	0.9	15
96	Ni Y ₂ O ₃ Al ₂ O ₃ aerogel catalysts with high coke deposition resistance for syngas production by biogas reforming. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 11861-11871.	3.8	15
97	Gelatin-TiO ₂ -coated expanded polyethylene foam nets as ethylene scavengers for fruit postharvest application. <i>Postharvest Biology and Technology</i> , 2021, 180, 111602.	2.9	15
98	Compara�o entre diferentes processos oxidativos avan�ados para degrada�o de corante azo. <i>Engenharia Sanitaria E Ambiental</i> , 2009, 14, 543-550.	0.1	14
99	Kinetics of photocatalytic reduction of nitrate in synthetic and real effluent using TiO ₂ doped with Zn as photocatalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 821-829.	1.6	14
100	Modulating the photocatalytic activity of TiO ₂ (P25) with lanthanum and graphene oxide. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 372, 1-10.	2.0	14
101	Structural, optical and photocatalytic properties of erbium (Er ³⁺) and yttrium (Y ³⁺) doped TiO ₂ thin films with remarkable self-cleaning super-hydrophilic properties. <i>RSC Advances</i> , 2020, 10, 17247-17254.	1.7	14
102	Economical and Technological Aspects of Copper Removal from Water Using a Geopolymer and Natural Zeolite. <i>Water, Air, and Soil Pollution</i> , 2020, 231, 1.	1.1	14
103	Peroxidation and photo-peroxidation of pantoprazole in aqueous solution using silver molybdate as catalyst. <i>Chemosphere</i> , 2021, 262, 127671.	4.2	14
104	Recent development on Ag ₂ MoO ₄ -based advanced oxidation processes: a review. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 132, 1-35.	0.8	14
105	Aplica�o de Fenton, foto-Fenton e UV/H ₂ O ₂ no tratamento de efluente t�xtil sint�tico contendo o corante Preto Biozol UC. <i>Engenharia Sanitaria E Ambiental</i> , 2011, 16, 261-270.	0.1	14
106	Photocatalytic degradation of polyvinylpyrrolidone in aqueous solution using TiO ₂ /H ₂ O ₂ /UV system. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2559-2567.	1.2	13
107	Residue-based iron oxide catalyst for the degradation of simulated petrochemical wastewater via heterogeneous photo-Fenton process. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 2559-2567.	1.2	13
108	Syngas production by dry reforming of methane using lyophilized nickel catalysts. <i>Chemical Engineering Science</i> , 2019, 205, 74-82.	1.9	13

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109	Assessing the bioenergy potential of high-ash anaerobic sewage sludge using pyrolysis kinetics and thermodynamics to design a sustainable integrated biorefinery. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 693-704.	2.9	13
110	Ozone Treatment of Tannery Wastewater Monitored by Conventional and Substance Specific Wastewater Analyses. <i>Ozone: Science and Engineering</i> , 2017, 39, 159-187.	1.4	12
111	Comparative detoxification of Remazol Brilliant Blue R by free and immobilized laccase of <i>Oudemansiella canarii</i> . <i>Biocatalysis and Biotransformation</i> , 2022, 40, 17-28.	1.1	12
112	Chitosan functionalized with heptadentate dinucleating ligand applied to removal of nickel, copper and zinc. <i>Carbohydrate Polymers</i> , 2021, 256, 117589.	5.1	12
113	Potential of Industrial Solid Wastes as Energy Sources and Gaseous Emissions Evaluation in a Pilot Scale Burner (ES2008-54355). <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2010, 132, .	1.4	11
114	Treatment of aqueous solutions of 1,4-dioxane by ozonation and catalytic ozonation with copper oxide (CuO). <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1464-1476.	1.2	11
115	Ethylene scavenging properties from hydroxypropyl methylcellulose-TiO ₂ and gelatin-TiO ₂ nanocomposites on polyethylene supports for fruit application. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 154-169.	3.6	11
116	Degradation of Polyvinylpyrrolidone by Photocatalytic Ozonation and Evaluation of the Influence of Some Operational Parameters. <i>Ozone: Science and Engineering</i> , 2014, 36, 560-569.	1.4	10
117	Torrefaction of ponkan peel waste in tubular fixed-bed reactor: In-depth bioenergetic evaluation of torrefaction products. <i>Energy</i> , 2020, 210, 118569.	4.5	10
118	ASSESSMENT OF POLYACRYLAMIDE DEGRADATION USING ADVANCED OXIDATION PROCESSES AND FERRATE(VI) OXIDATION. <i>Chemical Engineering Communications</i> , 2013, 200, 235-252.	1.5	9
119	Treated domestic sewage: kinetics of <i>Escherichia coli</i> and total coliform inactivation by oxidation with hydrogen peroxide. <i>Quimica Nova</i> , 2013, 36, 252-256.	0.3	9
120	Gasification of Brazilian coal-chars with CO ₂ : effect of samples' properties on reactivity and kinetic modeling. <i>Chemical Engineering Communications</i> , 2019, 206, 158-168.	1.5	9
121	Degradation of estriol (E3) and transformation pathways after applying photochemical removal processes in natural surface water. <i>Water Science and Technology</i> , 2020, 82, 1445-1453.	1.2	9
122	Tuning the photoactivity of TiO ₂ nanoarchitectures doped with cerium or neodymium and application to colour removal from wastewaters. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 1038-1052.	1.2	9
123	Valorization of Peach Palm (<i>Bactris gasipaes</i> Kunth) Waste: Production of Antioxidant Xylooligosaccharides. <i>Waste and Biomass Valorization</i> , 0, , 1.	1.8	9
124	Removal of Iron from Water Using Adsorbent Carbon. <i>Separation Science and Technology</i> , 2005, 39, 271-285.	1.3	8
125	Combustion of Apple Juice Wastes in a Cyclone Combustor for Thermal Energy Generation (ES2009-90152). <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2010, 132, .	1.4	8
126	Reactivity of the intermediates of the reduction of SO ₂ . Functionalization of graphite, graphite oxide and graphene oxide. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 344-351.	0.9	8

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127	Feasibility study of the use of basic oxygen furnace sludge in a permeable reactive barrier. <i>Journal of Hazardous Materials</i> , 2018, 351, 188-195.	6.5	8
128	Enhanced ozonation degradation of petroleum refinery wastewater in the presence of oxide nanocatalysts. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 1239-1249.	1.2	8
129	Modeling and fouling control in a hybrid membrane process using CuO-catalytic membrane coupled to ozone. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106138.	3.3	8
130	Antifungal and Photocatalytic Activity of Smart Paint Containing Porous Microspheres of TiO ₂ . <i>Materials Research</i> , 2019, 22, .	0.6	8
131	Preparation of a carbon molecular sieve and application to separation of N ₂ , O ₂ and CO ₂ in a fixed bed. <i>Brazilian Journal of Chemical Engineering</i> , 2003, 20, 75-80.	0.7	8
132	Removal of Metribuzin by Ozonation: Effect of Initial Concentration and pH. <i>Journal of Environmental Protection</i> , 2013, 04, 564-569.	0.3	8
133	Determination of inorganic and organic priority pollutants in biosolids from meat processing industry. <i>Waste Management</i> , 2009, 29, 2574-2581.	3.7	7
134	Evaluation of hybrid treatments to produce high quality reuse water. <i>Water Science and Technology</i> , 2011, 63, 2046-2051.	1.2	6
135	Photolysis of Phenylalanine in the Presence of Oxidized Carbon Nanotubes. <i>Langmuir</i> , 2015, 31, 164-170.	1.6	6
136	Photolytic insertion of albumin on activated carbon modified with ozone. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 174, 261-268.	1.7	6
137	Evaluation of sample processing methods for the polar contaminant analysis of sewage sludge using liquid chromatography - mass spectrometry (LC/MS). <i>Quimica Nova</i> , 2010, 33, 1194-1198.	0.3	5
138	Propranolol hydrochloride degradation using La@TiO ₂ functionalized with CMCD. <i>Journal of Rare Earths</i> , 2022, 40, 579-585.	2.5	5
139	Effect of Initiator on the Incorporation of Graphite into Polymer Matrix During Suspension Polymerization. <i>Macromolecular Symposia</i> , 2005, 229, 72-80.	0.4	4
140	Catalysis and Inhibition of the Carbon-Sulfur Reaction. <i>Journal of the Brazilian Chemical Society</i> , 1994, 5, 69-76.	0.6	4
141	Development of Fe/Nb-based solar photocatalysts for water treatment: impact of different synthesis routes on materials properties. <i>Environmental Science and Pollution Research</i> , 2018, 25, 27737-27747.	2.7	3
142	Reaction Mechanism of the Reduction of Ozone on Graphite. <i>Langmuir</i> , 2020, 36, 11225-11236.	1.6	3
143	Regeneration process using CO ₂ in situ of Ni-Y ₂ O ₃ -Al ₂ O ₃ aerogel spent catalysts from dry reforming with continuous syngas production. <i>Chemical Engineering Science</i> , 2021, 231, 116319.	1.9	3
144	A comprehensive study on by-products of food processing industry pyrolysis using a thermobalance reactor coupled to GC-FID/TCD: Mass, atomic and energy balances, thermokinetic modeling, product distribution, and characterization. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105107.	2.6	3

#	ARTICLE	IF	CITATIONS
145	SiOC and SiCN-based ceramic supports for catalysts and photocatalysts. <i>Microporous and Mesoporous Materials</i> , 2021, 327, 111435.	2.2	3
146	Kinetics of the Carbonation Reaction of Lithium Orthosilicate Using a Typical CO ₂ Concentration of Combustion Gases. <i>Materials Research</i> , 2019, 22, .	0.6	3
147	Intramolecular Amino-thiolysis Cyclization of Graphene Oxide Modified with Sulfur Dioxide: XPS and Solid-State NMR Studies. <i>Journal of Physical Chemistry C</i> , 2022, 126, 1729-1741.	1.5	3
148	Investigation of the thermal behavior of Pinus wood pellets during torrefaction for application in metallurgical processes. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3749-3759.	2.6	3
149	Mechanisms of Solid-Gas Reactions: Reduction of Air Pollutants on Carbons. <i>Topics in Catalysis</i> , 2020, 63, 817-832.	1.3	2
150	Gaseous emissions from co-combustion of biosolids from the meat processing industry with wood. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13633.	1.3	2
151	Modelagem da adsorção de compostos orgânicos voláteis sobre nanotubos de carbono cup-stacked usando o modelo da força motriz linear. <i>Acta Scientiarum - Technology</i> , 2010, 32, .	0.4	1
152	Effect of mass of pristine carbon nanotubes on the photolysis of phenylalanine. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3849.	0.9	1
153	Photo-immobilization of proteins on carbons. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 202, 111675.	1.7	1
154	Ecotoxicidade de nanocatalisadores de Óxidos de ferro, produzidos a partir da drenagem Ácida de mina, quando submetidos À adsorção de ozônio em meio aquoso. <i>Engenharia Sanitaria E Ambiental</i> , 2021, 26, 1033-1041.	0.1	1
155	Modeling of Adsorptive Filtration of a Leather Dye in a Fixed Bed Column. <i>Separation Science and Technology</i> , 2006, 41, 501-513.	1.3	0
156	Combustion of Apple Juice Wastes in a Cyclone Combustor for Thermal Energy Generation. , 2009, , .		0
157	Notice of Retraction: Preparation and Characterization of Catalysts Produced from AMD and Their Catalytic Behavior during Toluene Oxidation. , 2011, , .		0
158	Water and Wastewater Management and Biomass to Energy Conversion in a Meat Processing Plant in Brazil – A Case Study. , 0, , .		0
159	Potential of Industrial Solid Wastes as an Energy Source and Gaseous Emissions Evaluation in a Pilot Scale Burner. , 2008, , .		0
160	COMPARISON OF THE GASIFICATION POTENTIAL OF RICE HUSK SAMPLES FROM BRAZIL AND THAILAND. , 0, , .		0
161	PREPARAÇÃO E CARACTERIZAÇÃO DE ADSORVENTES PARA A REMOÇÃO DE SURFACTANTES ANIÔNICOS EM ÁGUAS RESIDUÁRIAS. , 0, , .		0
162	APLICAÇÃO DE NANOFUIDOS DE CARBONATO DE CÁLCIO E SÍLICA NA RECUPERAÇÃO AVANÇADA DE PETRÓLEO. , 0, , .		0

#	ARTICLE	IF	CITATIONS
163	High-performance hydrophobic magnetic hydrotalcite for selective treatment of oily wastewater. Environmental Technology (United Kingdom), 2021, , 1-40.	1.2	0
164	Pelletized Adsorbent of Iron Oxide for Removal of Arsenic Dissolved in Water. Revista Virtual De Quimica, 0, , .	0.1	0